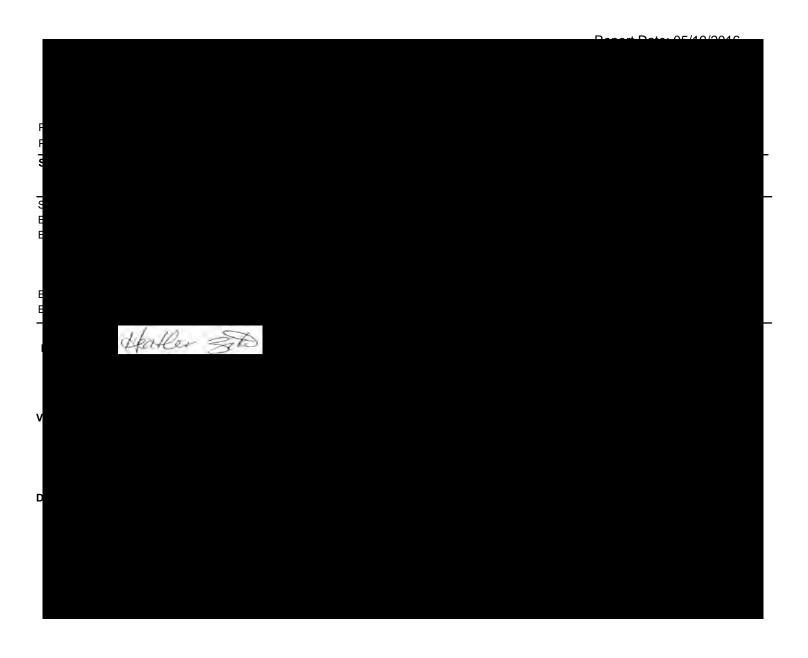


Page 1 of 1

Laboratory Report



WO#:1265476

PM: HRZ

Due Date: 05/19/16

CLIENT: NTS-Dave J

-			
Envi	ronme	ntal S	cience

526 CHESTNUT STREET

		Chain of	Custody Reco	ord					VIE	RGI	NIA	, MI	NNE	SO	TA 55792				COC#:
	ental Science gineering	Page:	1 of 1						218-	741	1-42	90 *	FA	X 21	8-741-429	1			
CLIENT NAM	IE, ADDRESS, F	PHONE#:	REPORT TO	:								Т	YPE	8.#	CONTAIN	NERS			Comments:
US Steel MinnTac		Tom Moe - USS Minntac Scott Seeley - NTS, 218-742-1						ml HNO3 (total) HNO3 (dissolved)	250 ml HNO3 (dissolved)	y Bottles	1000 mL Glass Amber	500 mL H2SO4	ials - HCI	pH (SU)	Cond. us/cm	Temperature (°C)			
SAMPLER:	AM & EE		PERMIT RE	Q.:	Yes			-	0 3	프	rcur	L G	- 50(40mL Vials	4		m pe		
PROJECT:	NPDES Data G	aps Monitoring	MONTH:	ı	/lay 20	16		neral	9 - 50	250	L Me	E 00	ents	40r		Sp.	T _e		
PROJ. NO:	10170C		COLLEC	TION:		TRIX	red	Ger		100	_	100	Nutrients	(3)					
LOG-IN	SAMPLE#	DESCRIPTION	DATE	TIME	LIQ	SOL	Filte		Σ	Metals				1.1	Field	Field	Field	Field	ANALYSIS:
	SW-001	Sand River Station 701	5/5/16	730	х		N	1	1						7.67	359.5	10.66		Bicarbonates, Cl, SO4, Ca, Mg
RELINQUISE	ED BY:		1010	16	REC	EIVE	BY:								DATE: TIME:				
RELINQUISH	HED BY:	DATE TIME	:		REC	EIVE	D BY:								DATE: TIME:				
RECEIVED F	FOR LAB BY!	/				PAT			L:		u		,						
DATE: 5-16	TIME:							_	POR					2 we	eeks from	submittal			

Pace Analytical*

Document Name:

Sample Condition Upon Receipt Form

Document No.: F-VM-C-001-Rev.09 Document Revised: 23Feb2015 Page 1 of 1

Issuing Authority:

Pace Virginia, Minnesota Quality Office

Sample Condition Client Name:	-5		Project	W0#:1265476
Courier: Fed Ex UPS	USPS Other	/	Client	1265476
Tracking Number:				1205470
Custody Seal on Cooler/Box Present?	No	Seals I	ntact?	Yes No Optional: Proj. Due Date: Proj. Name:
(_	_	_	
Packing Material: Bubble Wrap Bubble Bag	gs KIN	lone L	_Other:	Temp Blank? ✓ Yes ☐ No
Thermometer Used: 140792808	Type of	Ice:	Wet	Blue None Samples on ice, cooling process has begur
Cooler Temp Read °C: Cooler Temp Co Temp should be above freezing to 6°C Correction Fact		c;	Date an	Biological Tissue Frozen? Yes No NA d Initials of Person Examining Contents: 5-5-16
Temp should be above weezing to o a contestion see	-6			Comments:
Chain of Custody Present?	Yes	□No	□N/A	1.
Chain of Custody Filled Out?	✓Yes	□No	□N/A	2.
Chain of Custody Relinquished?	✓Yes	□No	□N/A	3.
Sampler Name and Signature on COC?	✓Yes	□No	□N/A	4.
Samples Arrived within Hold Time?	✓Yes	□No	□N/A	5.
Short Hold Time Analysis (<72 hr)?	□Yes	No	□N/A	6.
Rush Turn Around Time Requested?	□Yes	ØNo	□N/A	7.
Sufficient Volume?	☑ Yes	□No	□N/A	8.
Correct Containers Used?	✓Yes	□No	□N/A	9.
-Pace Containers Used?	Yes	□No	□N/A	
Containers Intact?	Ves	□No	□N/A	10.
Filtered Volume Received for Dissolved Tests?	Yes	□No	ØN/A	11. Note if sediment is visible in the dissolved containers.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix:	Yes	□No	□N/A	12.
All containers needing acid/base preservation will be checked and documented in the pH logbook.	Ø Yes	□No	□N/A	See pH log for results and additional preservation documentation
Headspace in Methyl Mercury Container	Yes	□No	ØN/A	13.
Headspace in VOA Vials (>6mm)?	□Yes	□No	ØN/A	14.
Trip Blank Present?	Yes	□No	DN/A	15.
Trip Blank Custody Seals Present?	Yes	□No	ĎN/A	
Pace Trip Blank Lot # (if purchased):				
CLIENT NOTIFICATION/RESOLUTION Person Contacted: Comments/Resolution:				Field Data Required? Yes No Date/Time:
FECAL WAIVER ON FILE Y N		TEM	PERATU	RE WAIVER ON FILE Y N

Project Manager Review:

Date: 51616

Note: Whenever there is a discrepancy affecting North Gardina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Intra-Regional Chain of Custody



Workorder: 1265476 Workorder Name: 10170C Minntac W2R 401 Cert Owner Received Date: 5/5/2016 Due Date: 5/19/2016 Requested Analysis Received at: Send To Lab: Pace Analytical Virginia Pace Analytical Duluth 315 Chestnut Street 4730 Oneota Street Virginia, MN 55792 Duluth, MN 55807 Phone (218) 727-6380 Phone (218) 742-1042 Report To: Heather R Zika Preserved Containers Collect Sample LAB USE ONLY Lab ID Item | Sample ID Date/Time Matrix Χ SW-001 PS 5/5/2016 07:30 1265476001 Water Transfers Date/Time Received By Date/Time Released By 5/12/16 0925 3 Cooler Temperature on Receipt └┤ Custody Seal (Y) or N Samples Intact Received on Ice Y/or N°C

^{***}In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.

This chain of custody is considered complete as is since this information is available in the owner laboratory.

/ Diagrafications								
/ Pace Analytical*		Documer		Issuing Authority:				
	F-	DUL-C-00	1-Rev.01		Pace Virginia, Minnesota (Quality Office		
nple Condition Client Name:		1	Project #:					
Joon Receipt		•	,					
IR-COC								
Courier: Fed Ex UPS	USPS	r □cı						
Commercial Pace	Other:	Deb						
acking Number:								
stody Seal on Cooler/Box Present? Yes	□No .	Seals In	tact?	Yes □No	Optional: Proj. Due I	Date: Proj. Name:		
cking Material: Bubble Wrap Bubble	e Bags No	ne 🗀	Other:		Temp Blan	k? Yes No		
rmometer Used: 🗶 B00051	Type of I	ce: 🕠	Wet _]Blue 🔲 No	ne Samples on ice,	cooling process has be		
ooler Temp Read °C: 3-5 Cooler Ten	np Corrected °(: Y.	1	٠	Biological Tissue Frozen?	□Yes □No √		
cooler Temp Read °C: $\frac{3}{3}$ Cooler Temp should be above freezing to 6°C Correction	Factor: +0 . (<u> ₽ </u>	Date and	Initials of Pers	on Examining Contents:	5/12/16/4		
		· · · · · · · · · · · · · · · · · · ·			Comments:			
hain of Custody Present?	⊁EYes	□No	□N/A	1.	<u> </u>			
Chain of Custody Filled Out?	Yes	□No	□n/a	2.				
Chain of Custody Relinquished?	Yes	□No	□n/a	3.				
ampler Name and Signature on COC?	☐Yes	□No	ÆN/A	4.				
amples Arrived within Hold Time?	_ ≥ Yes	□No	□N/A	5.				
hort Hold Time Analysis (<72 hr)?	Yes	'No	□N/A	6.				
ush Turn Around Time Requested?	□Yes	No	□n/a	7.				
ufficient Volume?	∑¥es	□No	□n/a	8.				
Correct Containers Used?	∑¥es	□No.	□N/A	9.				
-Pace Containers Used?	∑¥⊻es	□No	□n/a					
Containers Intact?	Yes	□No	□n/a	10.				
Filtered Volume Received for Dissolved Tests?	□Yes	□No	∑ N/A	11. Note if se	diment is visible in the disso	lved containers.		
Sample Labels Match COC?	'XX Yes	∏No	□N/A	12.				
-Includes Date/Time/ID/Analysis Matrix:		_						
				See pH los	for results and add	itional preservation		
All containers needing acid/base preservation will be shecked and documented in the pH logbook.	oe □Yes	□No	∏N/A	document		'		
leadspace in Methyl Mercury Container	Yes	□No	□N/A	13.				
Readspace in VOA Vials (>6mm)?	□Yes	□No	□N/A	14.				
rip Blank Present?	Yes	 No	[]N/A	15.				
rip Blank Custody Seals Present?	 □Yes	□No	∏n/a					
Pace Trip Blank Lot # (if purchased):			·					
IENT NOTIFICATION/BECOULTION					Field Data Required	12 Myor Mais		
IENT NOTIFICATION/RESOLUTION			,	Date/Timo:	-			
Person Contacted:								
Comments/Resolution:								
						 -		

TEMPERATURE WAIVER ON FILE

FECAL WAIVER ON FILE

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